

**COLORADO RIVER RECOVERY PROGRAM
FY-2001 PROPOSED SCOPE OF WORK**

No.: CAP-11

Lead Agency: U.S. Bureau of Reclamation
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Category (check one):

- ☒ Ongoing project
☐ Requested new start
☐ Unsolicited project
☐ Outside funding

Expected Funding Source:

- _____ Annual funds
☒ Capital funds
_____ Other (explain)

I. Title of Proposal

Grand Valley Project Water Management

II. Relation to RIPRAP

Colorado River Action Plan: Mainstem
I.A.5.1. Grand Valley Water Management Project

III. Study Goals, Objectives, End Product

Through canal system modification and the corresponding management options, develop a water supply alternative for the 15-Mile Reach of the Colorado River.

IV. Past Performance

Design has been completed on the check structures. NEPA compliance is complete. A contract to deliver a portion of the conserved water to the Grand Valley Power Plant and indirectly to the 15-Mile Reach is complete. An additional contract will be required to legally protect and deliver the majority of the remaining conserved water. A draft of this contract has been prepared and is undergoing internal review. A draft agreement to fund the operation and maintenance activities of the system improvements has been completed.

V. Study Area

The study area is be limited to the Government Highline canal system. Protection strategies for the conserved water extends upstream from the Grand Valley on the Colorado River Basin.

VI. Task description and Schedule

Tasks:

1. Coordination with Grand Water User's Association.
2. Canal system modeling. Efforts on canal modeling will continue. Work on refining the model of the existing canal system will continue. Modeling and data collection will continue throughout the study and after construction to monitor the success of management changes and to evaluate additional options.
3. Design and specifications of the SCADA system, Palisade pipeline and pumping plant.
4. Construction of improvements. FY2001 construction includes the Palisade Pipeline and the SCADA system.

Construction Schedule:

Due to the need to keep use the canal during the irrigation season, only the Palisade Pipeline and some of the canal automation can be constructed in FY2000. A contract to award the check structure will be awarded in July or August, 2000 which would obligate funds to construct the Palisade pipeline and checks in FY2001. Every effort will be made to construct the 6 check structures and the remainder of the automation by the spring of FY2001. This schedule would allow one season (irrigation season 2001) of canal operation to evaluate the size of the pumping plant. The pumping plant could then be built in FY2002. If possible the pumping plant could be ready for use for the late irrigation season in FY2002.

VII. FY-2001 Work

Deliverables

1. Implementation of water protection options.
2. Construct the Palisade Pipeline and the canal automation system.

VIII. Budget Summary

FY2000 budget was adjusted to reflect actual construction award value. This resulted in a total project increase of approximately \$521,000.

Task	1998	1999	2000	2001	2002	Total (all years)
Task 1	40,000	5,000				45,000
Task 2	370,000	35,000		5,000		410,000
Task 3		57,000	250,000	80,000		387,000
Task 4			3,177,000	1,015,000	1,118,000	5,310,000
Total	410,000	97,000	3,427,000	1,100,000	1,118,000	\$6,152,000